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NOTICE OF ALLOWANCE AND FEE(S) DUE

23598

7590

03/23/2010

BOYLE FREDRICKSON S.C. 840 North Plankinton Avenue MILWAUKEE, WI 53203

EXAMINER

GILBERT, ANDREW M

ART UNIT PAPER NUMBER

3767

DATE MAILED: 03/23/2010

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/762,664	01/22/2004	David J. Beebe	282.033	5152	

TITLE OF INVENTION: MICROFLUIDIC DEVICE FOR DRUG DELIVERY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	06/23/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notifica	correspondence including below or directed off tions	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification of a) specifying a new corre	maintenance fees v espondence address;	vill be and/or	mailed to the current (b) indicating a sepa	correspondence address as rate "FEE ADDRESS" for
		ock 1 for any change of address)	Fee par	e(s) Transmittal. The bers. Each additiona	is certif I paper	icate cannot be used for	r domestic mailings of the or any other accompanying nt or formal drawing, must
23598 BOYLE FRED 840 North Plank MILWAUKEE,	RICKSON S.C. inton Avenue	/2010		Cer	tificate	of Mailing or Trans	nission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
							(Depositor's name)
			_				(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	3	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/762,664	01/22/2004		David J. Beebe			282.033	5152
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nonprovisional	YES	\$755	\$300	\$0 -		\$1055	06/23/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS]		
GILBERT, A	ANDREW M	3767	604-890100				
 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). I Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. I "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON 			(1) the names of up t or agents OR, alternat (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be THE PATENT (print or ty	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. (E PATENT (print or type) Ita will appear on the patent. If an assignee is identified below, the document has been filed for a substitute for filing an assignment.			
(A) NAME OF ASSIG	GNEE		(B) RESIDENCE: (CIT	Y and STATE OR C	COUNT	RY)	up entity 📮 Government
	are submitted: To small entity discount p # of Copies	b. Payment of Fee(s): (Ple A check is enclosed. Payment by credit ca The Director is hereboverpayment, to Dep	rd. Form PTO-2038 y authorized to char	is atta	ched. required fee(s), any del		
a. Applicant claim	tus (from status indicates s SMALL ENTITY statu	is. See 37 CFR 1.27.	b. Applicant is no lo				
note: The Issue Fee and interest as shown by the i	a Publication Fee (if requestroords of the United Sta	uired) will not be accepted tes Patent and Trademark	of from anyone other than Office.	ıne appiicant; a regi	stered a	morney or agent; or th	e assignee or other party in
Authorized Signature				Date			
Typed or printed name				Registration N	lo		
an application. Confident submitting the completed this form and/or suggesti	tiality is governed by 35 d application form to the ions for reducing this but firginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th	1.14. This collection is ex depending upon the indice Chief Information Office	stimated to take 12 r vidual case. Any co eer. U.S. Patent and	minutes mment Traden	to complete, including s on the amount of time park Office, U.S. Depa	by the USPTO to process) g gathering, preparing, and ne you require to complete atment of Commerce, P.O. for Patents, P.O. Box 1450,

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BOYLE FREDE	RICKSON S.C.	GILBERT, ANDREW M				
840 North Plankinton Avenue			ART UNIT	PAPER NUMBER		
MILWAUKEE, V	VI 53203		3767			
				DATE MAILED: 03/23/2010		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 216 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 216 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	T	T	
	Application No.	Applicant(s)	
Al-CCAU	10/762,664	BEEBE ET AL.	
Notice of Allowability	Examiner	Art Unit	
	ANDREW M. GILBERT	3767	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.37	S (OR REMAINS) CLOSED in 5) or other appropriate commur RIGHTS. This application is su	this application. If not included iication will be mailed in due cou	rse. THIS
1. \boxtimes This communication is responsive to <u>the after-final amendation</u>	dment filed on 2/18/2010.		
2. ☑ The allowed claim(s) is/are <u>24 and 26</u> .			
3. ☐ Acknowledgment is made of a claim for foreign priority (a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have	ve been received.		
2. Certified copies of the priority documents have	· ·	<u> </u>	fue us the s
 Copies of the certified copies of the priority d International Bureau (PCT Rule 17.2(a)). 	ocuments have been received	in this national stage application	from the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be sub-	MENT of this application.		
INFORMAL PATENT APPLICATION (PTO-152) which gi			02 01
5. CORRECTED DRAWINGS (as "replacement sheets") me	ust be submitted.		
(a) \square including changes required by the Notice of Draftspe		(PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examine Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			ck) of
 DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMENT 			the the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 Notice of Info	ormal Patent Application	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948		* *	
 Information Disclosure Statements (PTO/SB/08), 	Paper No./N	lail Date .mendment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit			200
of Biological Material	8. ☑ Examiner's S	tatement of Reasons for Allowar	ic e
/Andrew M Gilbert/	/Kevin C. Sirmo	ns/	
Examiner, Art Unit 3767		ent Examiner, Art Unit 3767	

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DETAILED ACTION

Acknowledgments

1. This office action is in response to the after-final amendment filed on 2/18/2010.

2. In the reply the applicant cancelled claims 21, 27, 29, 30 and withdrawn claims 9, 17, 20, 25. Claims 24 and 26 were previously indicated as allowable.

3. Thus, claims 24 and 26 are pending for examination.

Allowance

- 4. Claims 24, 26 are allowed.
- 5. The following is an examiner's statement of reasons for allowance:
- 6. The subject matter of the independent claim could either not be found or was not suggested in the prior art of record. The prior art does not disclose or render obvious the combination as claimed specifically including a microfluidic device for deliverying a drug to an individual having a hydrogel pressure source expandable in response to exposure to a predetermined physical property and engaging a reservoir to urge drug from the reservoir through an output needle into a individual, and a valve defining a chamber and interconnecting the reservoir and output needle, the valve having a flexible membrane dividing the chamber into a drug flow portion and a trigger receiving portion and in the trigger receiving portion having a trigger having a first and second configuration actuating the valve to a position preventing flow of drug from the reservoir to the output needle and a non-actuated position allowing flow, and where a first sensing needle allows physiological fluids to pass from the individual to the trigger receiving portion in combination with the other elements of the claims.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANDREW M. GILBERT whose telephone number is (571)272-7216. The examiner can normally be reached on 8:30 am to 5:00 pm Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Sirmons can be reached on (571)272-4965. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Art Unit: 3767

/Andrew M Gilbert/ Examiner, Art Unit 3767 /Kevin C. Sirmons/

Supervisory Patent Examiner, Art Unit 3767